



JUNE EXAMINATION

PROGRAMME : HUMAN MOVEMENT STUDIES
MODULE NAME : SKELETAL AND MUSCULAR SYSTEM
MODULE CODE : HMS1AA1 & MBK1A01
DATE : JUNE 2014
DURATION : 1 HOUR
TOTAL MARKS : 50

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MODERATOR : MS L VAN ROOY
NUMBER OF PAGES : THIS PAPER CONSISTS OF FIVE (5) PAGES

INSTRUCTIONS TO CANDIDATES:

MAKE SURE THAT YOU HAVE THE COMPLETE PAPER.

ANSWER ALL THE QUESTIONS.

SECTION A

[20]

QUESTION 1

[4]

List 4 different movements at the ankle foot complex.

QUESTION 2

[4]

Name the two muscles responsible for (a) trunk/spinal flexion and (b) trunk/spinal extension.

QUESTION 3

[4]

List 4 muscles responsible for elbow flexion.

QUESTION 4

[8]

Give the main movement caused by the following muscles:

- 4.1 Anterior deltoid
- 4.2 Supraspinatus
- 4.3 Subscapularis
- 4.4 Erector spinae
- 4.5 Internal obliques
- 4.6 Infrapinatus
- 4.7 Triceps brachii medial head
- 4.8 Trapezius IV

SECTION B**[12]****QUESTION 1 – 12**

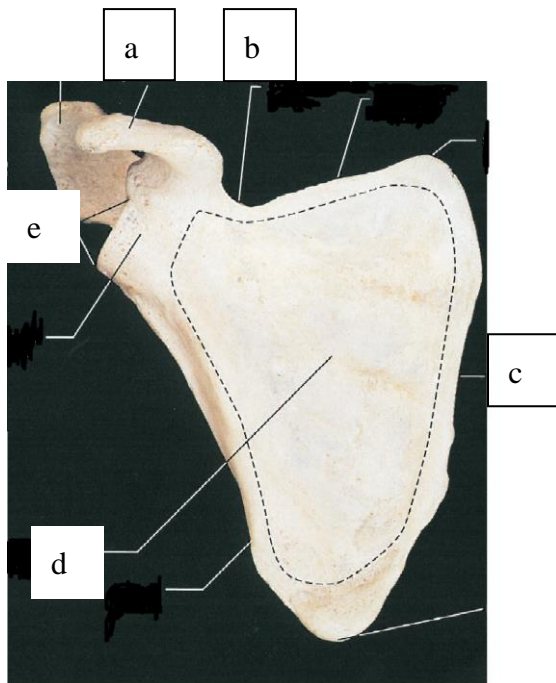
Match the following words in Column A with the words in Column B:

QUESTION	Column A		Column B
1	Soleus		a. Between Calcaneus and Tibia
2	Gastrocnemius		b. Subscapular fossa
3	Tibialis anterior		c. Scapular adduction
4	Calcaneus		d. Coracobrachialis
5	Talus		e. Greater tubercle of humerus
6	Scapular spine		f. Plantar flexion
7	Subscapularis origin		g. Achilles tendon insertion
8	Infraspinatus insertion		h. Trapezius lower (4)
9	Latissimus dorsi insertion		i. Posterior aspect of scapula
10	Rhomboids		j. Greater tubercle of humerus
11	Upward rotation of scapula		k. Ankle dorsiflexion
12	GH Horizontal adduction		l. Knee flexion

SECTION C**[18]**QUESTION 1

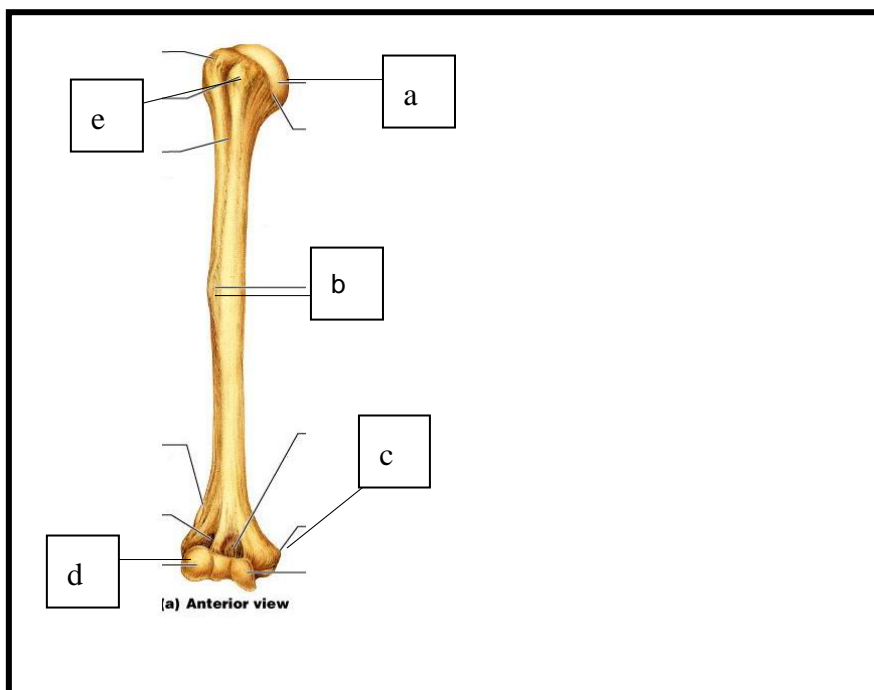
Please label the following bony markings (a – e).

[5]

QUESTION 2

Please label the following bony markings (a – e).

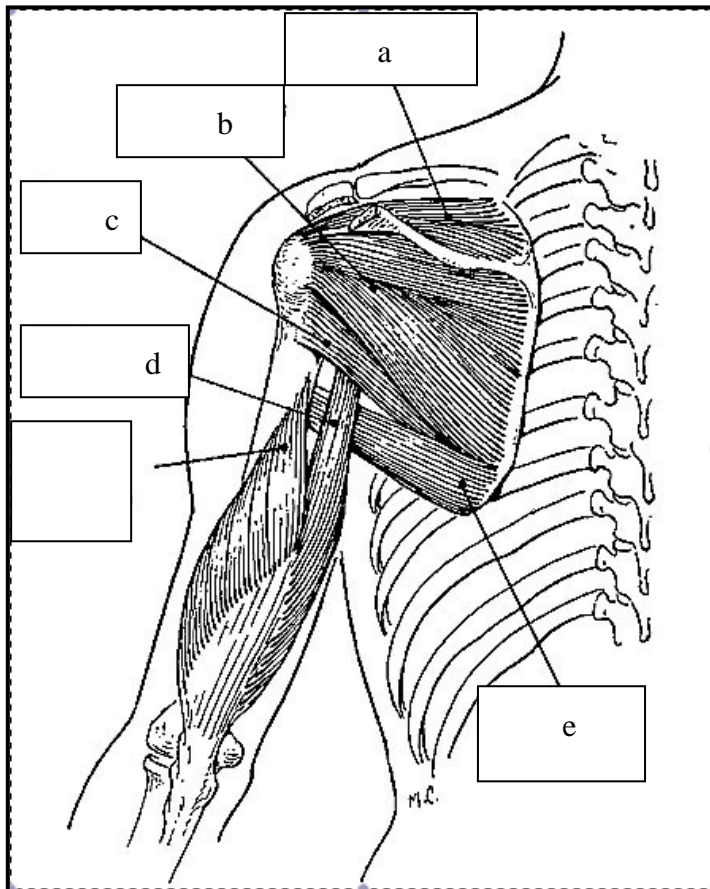
[5]



QUESTION 3

Please label the following muscles (a – e).

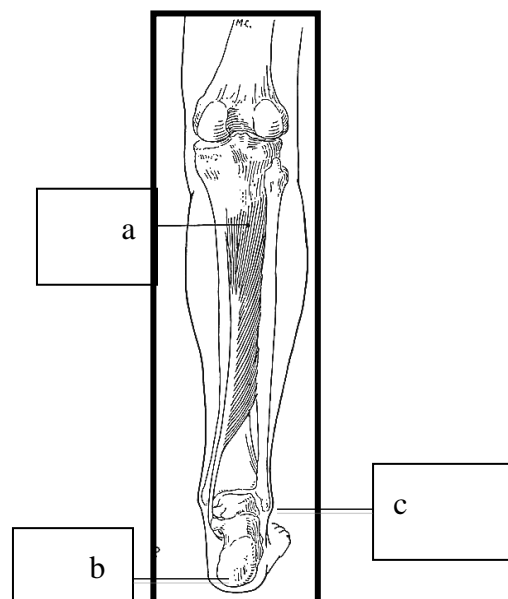
[5]



QUESTION 4

[3]

Please label the following (a – c).



TOTAL: 50